

TM10-17RA

10-inch Broadcast Color Monitor



The TM10-17RA is a 10-inch addition of our popular 17 SERIES color monitor (14" and 20" type). Switching of screen aspect ratios (4:3/16:9) is standard, so the monitor can be used with a variety of television systems. Switching between NTSC and PAL is automatic. This monitor answers the demand for efficient worldwide use. The Beam Feed-Back System (BFS) monitors the black level to ensure picture stability over long terms. A wide selection of options are available. Digital (D1/D2/D3) and DC inputs are also supported.

- Reso. 450TV lines or more horizontal resolution
- BFS (Beam Feed-Back System) and Comb Filter
- 2 Composite Video, Y/C, RGB or Component inputs
- D1/D2/D3 Input (Option)
- NTSC/PAL Mode Selection
- Screen aspect ratio of 4:3/16:9 switchable from front panel.

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Specifications

●GENERAL	
Input Voltage	100~120VAC+/-10%, 50/60Hz, Single Phase (JPN, USA) 200~240VAC+/-10%, 50/60Hz, Single Phase(EUROPE) (Switchable from a remote connector.)
Power Consumption	Approx.40W(Standard)
Ambient Temp.	0~+40°C, 90% or less relative Humidity(non-condensing)
Dimensions (WHD)	222(W) x 213(H) x 352(D) mm (8.7 x 8.4 x 13.9 inches)
Weight	Approx. 10kg (22 lbs.)
●RATING	
Input Signal	Video: 2 inputs Y/C: 1 input RGB/Y,Pb,Pr: 1 input *Switchable at rear panel Digital Video: 1 input (Option) Sync: 1 input
Input Level	Video Signal: Composite 1.0Vp-p Non-composite 0.7Vp-p Y/C Signal: Y Signal 1.0Vp-p C Signal 0.286Vp-p(burst) RGB or Y, Pb, Pr: [RGB Signal] G signal 1.0Vp-p(sync on green) or 0.7Vp-p R/B signal 0.7Vp-p [Y,Pb,Pr Signal] N10/SMPTE Format Y 1.0Vp-p(sync on green) or 0.7Vp-p Setup: 0Vp-p Sync: 4Vp-p+/- 2Vp-p Pb,Pr: 0.525Vp-p Digital Video: [D1]CCIR Rec.601 (4:2:2 Format) [D2,D3]SMPTE standard Sync Signal: Composite Sync 4Vp-p Video/RGB or Y,Pb,Pr: Bridging BNC connectors, high impedance with 75ohm termination SW. Y/C: 4pin plastic connector, single end 75 ohm terminated. (7pin metal connectors are OPTION)
Connection	
Remote Controls	a)Video input select (A/B/YC/RGB or Y,Pb,Pr, Digital) b)COLOR/MONO select c)Tally ON/OFF d)16:9 e)Sync INT/EXT
●PERFORMANCE	
CRT	In Line-gun, dot mask, High-resolution CRT
Dot Pitch	0.28mm
Resolution(at center)	More than 450TV Lines

●VIDEO SIGNAL SYSTEM	
Frequency Response	Measured with aperture gain 0 60Hz~5MHz: flat within +1/-3dB
Chrominance Rejection Ratio Noise	Less than -24dB(with aperture correction 0 Coherent noise: Less than -40dB Other noise: Less than -50dB
●COLOR SIGNAL SYSTEM	
Demoduration Axis	R-Y, B-Y system
Frequency Response	3.58MHz +/-0.5MHz +/-3dB (measured at chroma output test point)
●SYNC SYSTEM	
Sync Stability	Stability of sync will be met for the Following conditions.
a)Internal Sync	Video input level within +/-6dB against the rated value of 1.0Vp-p.
b)External Sync	Sync signal input level of 1.0~8.0Vp-p.
AFC Time Constants	SLOW: Approx. 2.0msec. FAST: Approx. 0.5msec.
●DEFLECTION SYSTEM	
Scanning Frequency	
Horizontal	Normal 15.734KHz
Vertical	Normal 59.94Hz
Scanning Amplitude	
Normal Scan	Overscan is 1% of CRT effective area with An aspect ratio of 4:3 -14% of normal scan
Underscan	-14% of normal scan
Geometry and Linearity	Less than 2% of picture height
Convergence error	
Center	Inside a circle with diameter of 80% of Picture height: Less than 0.5mm
Corners	Outside area of picture center: Less than 1.0mm
●HIGH VOLTAGE	
Tolerance	18KV+/-1KV
Regulation	+/-5% over the range of 0~300uA referred To 100uA.
●OPTIONAL ACCESSORIES	
DK-1073A	D1 Module Kit
DK-1074NA	D2/D3 Module Kit (NTSC)
DK-1074PA	D2/D3 Module Kit (PAL)
SF-1071	Special Function Module
SRC-301	Serial Remote Controller
DR-1016	19" Dual Rack Frame
BP-1016	One Half Rack Wide Blank Panel
WR-1016	19" Rack Frame for one monitor+Teck Scope
DC-10172	DC12~24V Input Module
IM-1017	Instruction Manual
OMC1017	Operation Manual
Design and specifications are subject to change without notice.	

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